

Offshore Oil Brings Helicopter Boom

Foreign Jets Move Into World Market







## landing the hot ones

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E. B. Wigner Od Tool Company, Inc.



AVIATION CALENDAR South of the control A HOT OPERATOR
... In sub-zero climates!



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IATION WEEK, Secreber 31, 1956



Everyone at Kornet is pretty sensus about the tart we're

These sole call for clear thirding and hard work. We need

## KAMAN

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May 24 Rest 2-22nd Press for Show, been

feater, appeared by D.E. AEE and

Apr. 28 May 3 - Several Natural Visionals

NEW TURBOROTOR 'COPTER . . . another Kaman First!





a turborator first when this Komon HOK helicopter took to the pir powered by Lycoming's XT-53, the first U.S. freezhelt ans turbine specifiically designed as a helicapter power

Kowen leads the field in turborotor experience and development and is aroud of the forward steps It is taking in the leterant of our National Defense.



Kaman builds helicapters YOU FLY LIKE A PLANE

## BUAER'S NEW AVIONICS DIVISION MEETS ELECTRONIC WEAPONS NEEDS OF NAVY AIR ARM



Brand new to the Navy Bureau of Actosneeds or albitales of 20 or more vales

nexum facility the recyclide electronic



FORD INSTRUMENT COMPANY







## The Real Reward is Here

you believe your design from planning to phot to broking philines.

Here, engaged primarily in the invariables field of power participate, you translate theory late predictions design with full regard for featuring, materials and reviseted. not and mattery property.
And so energy Chila Vahi, on the Bay one miles north of him Breng, you and your family will find a new very of long in a vanished speech you declared.

If you are no reparament production decays engines, you, and both a job a new House copies review and new will criply it except 1.5. Bridge, Bedomirál Indianas Maines, Pales and Chila Vahi, Childrain.



ROHB

PLANTS ALSO IN RIVERSIOE, CALIFORNIA, MINDER, GEORGIA, AGEVEN, WASHINGTON







# CURTISS-WRIGHT RAM JETS

RAM JETS spearhead America's first-line defense

One of the words's root advenced jet engane, the Continue-Weight Rese het develops of general effcency at speech above 1800 pales par hour, and produced to the produced part of the 1920, off Carrier Weight's development, of the models' for caparismes rine jet to be secconfied? Brown, the Chompsy has intended its work on paided encodes—possespan that are of fast reach questionary in America's Robinsol Defence programs Causia-Weight pairs new jet deed facility and the produced produced produced programs Causia-Weight pairs new jet deed facility per programs, on the proof the Affectives one per programs.

jet program.

In rain ples, rookers, turboyets, turbopeops,
Tarbo Cerepouch and consensal pates engan — in power for every purpose — Cutties-

CURTISS-WRIGHT

Weelels Street History t Engine



# announcing the achiever!





THE PERCENCES BUILDINGS OF GENERAL ACTORS

## WHEN YOU NEED THEM



















## ... WILL THEY BE READY?

What kind of amion will you him this year from the high schools are vital. And good schools don't just happen. If your company can help congruently groups to set better schools (population countly alone demands on extra 200 000 classrooms and 165 000 more teachers right now), the schools are sure to help your personny. Think about it, wan't you?









# IASTIC gaskets stay resilient

Get latest data or Schelle Mail cooper today

Transperatures that melt areconic rubber or freeze it bestile rubber. Guskets of Selastic stay rubbers and keen their shape . . . provide the ultimate in nealing effectiveness. Molded by leading rubber companies in most any shape. HEER OF COM-

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AVIATION WEEK

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ANYTHON WERK . DECEMBER 21, 1956 . WI 45, No. 27



# That's Cendin - DECCA

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PACCA MANUSCATOR SYSTEM
PACCAMANUSCATOR SYSTEM



BENDIA DECCA SOLVES THE PROBLEMS OF

## EDITORIAL

## A Year of Achievement

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The adaptible lightness has curring a record total of

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Senation Struct Senatington and Henry Jackson for their constant effort to place before the public an account record of the ambitus supposed picture. Congressions John Moss for his success on strepping of the housest surface and decent time open-

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recently and development program for USAF and has -- Robert He

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## Announcing on important Edison development





Latest development to state from the famous Educe Research. Laborateurs is this regard Recent Personal Technology System. Specified on the Leckholog F-10.0, the system ones mises in possible to move the transmitted density or the corpus without shock or vibraries on utilizate For eaching not recognize without shock or vibraries on utilizate For eaching not recognize of origines, it provides recents, continuous indicators of all of the contract of the

The transmitted is decisioned housely in whiteless range up to \$100 cpd, seroperations up as \$25°C and shock to \$23 g. Od base or eithing it is alternated, thus removing a copie course of meditations, and delayed intradegs does up odd, sluggish oil. The transmitter had only our account part and or forecondate.

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Thomas A. Edison

## WHO'S WHERE INDUSTRY OBSERVER

### In the Front Office

In the Front Office
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N. Y. M. Crest in ground manager of
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▶ Swedish dat Service Idel, a cerban from the town sentil targets for the Sovetha small crown on a contract target, or undergong as at the Banks Sovetha small covers on a contract target and the Banks Reed's Wickia plant. The Dark is not being reducted by U. S. armed services.
▶ Lockbook's first 1697A temport has completed approximately 225 depth into footne more in East Refer on Co. 22. Publishers of the event.

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## Cut out for provisions



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### Pentogon Numbers Game

## Aircroft Show's Damiro

\*Benefits from the 1996 show at Oklohous Cits were • 1997 meticipation probably will be hasted to Accord Gra Brusses W. Cholina related USAT offers

Small Business and Navy Research

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### Washington Roundup stall because perferences in ABDC services.

### **Early Confirmation for Pyle**

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## Independent CAA?

See Mile Manney, (D. Olde), charges of the Con--other as an independent agraes or a description

### Mare Apprentice Training

## Realistic Schoduling

## Aircraft Sales Hit \$8.6 Billion for 1956 Min. Basses and the continues

New nearetime record set as industry becomes ton U. S. employer, military output still declines.

Why Decline in Deliveries

Budder of sales for consucusal

. Total of good aircraft sold to 7950 Ciril Average Steam

Satellite Tracking Stations

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NAA's Dunchases Total 8624 Million

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British Push Gnat: BAAF Prefers F-104

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## Offshore Oil Booms Helicopter Sales

New Orleans, La -- Tire Gold of Nex

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## Helicopters to New Guinea

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News Digest

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## AIR TRANSPORT

## Airlines Reach New Peak, Future Bright

Traffic resume increase continue through 1956; expanding economy indicates good year ahead.

B. I. I. Date With such a load factor enforce new

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What Future Holds

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Ozark Gains Access To Minneapolis

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## Christmas Traffic Crippled by Weather

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## Thomas Wilson Resigns

From Commerce Post

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## Engineering to the Nth power... INSIDE AND OUT!

Installed mode a Cowner T-29 is an netral cookput of Conner's delta-way F-102A all-weather of a F-102A enterceptor prior. At the sacre time, scientists and originates evaluate system

### GUIDED MISSILE

### RESEARCH and DEVELOPMENT



The Rama-Wooldridge Cornoration 1725 AMOR YITM STREET - 100 AMORISO 43, CALIFORNIA

## Foreign Jets Move Into World Market By Cole Levis

fature sales prospects wide open to

## Ferriso Sales Effect Lonce Seitch Oversen Agreem Corp.

With the larger current, the U.S.

### Long-Rouge Jets The need for long-rouge jets lus-



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Viscount on the Way to Capital Airlines

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What British Offer

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**BEA Weets New Jet** REA personally does not look with

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AIRLINE OBSERVER

\*Truel agests are direct beneficiates of the NoShow Plan's oknowns. take many passengers are brawing to conveniently kirated trivial agreet

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\*Air Transport Assa, is cased to pased with the Codi Appendics Board.

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. Capital Ardines has somed its 12th today office in the matasoritiss New York sees in its bid to become a major controles in the New York traffic market. The suffice was achedoled to onesate 1.551 fields from New York this month as compared with 405 fights during December of 1955. Disin located at the corner of Fifth Assume and 48th Street, New, and haven, quatters are being sought for Copital's accounting offices now located at the East Sole Transmal Building

\* Proposite to wormer executions and acquire additional engineess are now he. The refers wants to but DC-4 comment and start donet finders between Cardal Torollo, Consos and Begris to smolement present pages P Trans-Canada Aur Lines has forceded its employer at Montreal and Ta-

mosts supports with a job of 41 Managerina words and phonon at a merous of reposition the heading of princes of the Handurus enchance in their arrive in Canada from overseas

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## ICC Examiner Favors

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## ALPA's Air Traffic Goals

## Let Opposition Included

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### Flight Discretions

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AVIATION WITH, December 21, 1959

## FXTRUSIONS FOR TOMORROW BRIDGEPORT ALUMINUM TODAY

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## CAB Asks Delay in

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After some extension land month verne, the CAB second a star from

## Schoduled Lines' Proposed

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\*\*\*\* Of the 607° propeller-turbine airliners of all kinds on order around the world, 376° have been ordered from Vickers-Armstrongs. Of the 155 propeller-turbine airliners now in daily operation, 155 were built by Vickers-Armstrongs \*\*\* Experience has no substitute.

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TURBO-PROP AIRCRAFT BY VICKERS

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AVAITON WEEK December 21, 1956

Consession will as USW work

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## EQUIPMENT





## CL-28 Hydraulics Revised for Simplicity

By GEORGE L. GHRISTIAN

CL-28 Hydroulic Systems

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AVAZION WEEK, December 39, 1834

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## PRODUCTION ENGINEERING

## Bulova Streamlines Crystal Production



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By Bandil Hawher

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AVENTION WEEK, December 31, 1956

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## Venture Capital Supports New Air Firms

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## Financial Aid to Higher Education

## A Fine Start, But...

This editorial has two purposes. The first is to salute American business for the fine start it has made in belaine to relieve the financial plight of our colleges and universities. The second purpose is to stress the importance of boxing business repride

### How Rusiness Helps **Higher Education**

Residence contributions to bushes education doubled between 1950 and 1955 They imped from \$40 million to \$10 million. Preliminary feroms suffered they will be even

expely in devious different ways of making their contributions. The methods comes from a matching of an explorer's contribution to his particular along mater to wide different of the money through state and perional money-rational associations of colleges and universities. Timeles choice of ways by which to give effective aid. The year most appreciated by college advisors

the purpose for which the money is used,

Imposing as 2 is, however, what business has shore thrus for is only a mood start. Only a tray fraction of the total war-her of basistess form in the country are giving direct financial help to our colleges and universities; and this fraction includes described ball of the lessdred largest cooperations in the country. Also, the amount of financial belo hence movided by business constitutes only a were small fraction

### Why Colleges Need More Aid

Right now our privately embound colmillion more in operating income a year than they are receiving to enable them to pay decent faculty salaries and he in tolerably small working order otherwise. The ressons, including a severe decline in the purchang power of their endocument income hecause of prior infation, have been dealt with in-

the necessary addresseds in this section is addition, these multipliers, together with the two-susperted schools, are farred with a tremendeus incresse in enrollment over the years about, With both a project increasing population of young people and an increasing respecGas of them going to college, this year's encollness of X.2 sulfion students is expected to enselve (A) million by 1960, and to be doubled by 1970. For the next ten years are patrotely supported colleges and universities reme have no average of about 8400 million a year show what they

son be expected to called from mixim from, income from endowment fainh, etc.

The figure of \$5000 cmillion does not include what in needed for now hatfilling and expirment. It also does not finished body for transpoported schools above what they give from more, fore, inc. Blummon has given and will confirm to give these wholes durational fail, baseds, almost 25% of the financial help from bosives for our colleges and relevantly were to a trans-

supported should in 1995.
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## What I % of Brofits Would Do

But do business firms have the experity to full the gap in adequate operating time come for our privately conforce colleges and universities without parting an excusive financial burden on themselved: Those who have studied this capacity exefully say that the answer elarly is yet. (of its profits before taxes—this year an estimated 843 billion—business were to deviate I/% to belying our privately an dawed colleges, it would take care of present operating needs of about 8350 million a year. And the balance of 890 million would be a big step in meeting their needs for new brillions and course

ment, too.

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shows 85,000 per year site tax is 62%. It is does that not all Bosiness firms are in shape to decree 1% of their positis to all to higher detections. Even in this year of recordlancing prosperity, many of them will have no perfect at ill. But it beliesses generally wealth take 1% of poster yeefin as a target or benchsame for familial high to are yetrostly endewed cellages and universities these institutions would acade have teacher financial.

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AVIATION WEEK Occurrence 21, 1956

# TOP LEVEL POSITIONS

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